

MYERS BIGEL SIBLEY & SAJOVEC

Patent Attorneys
4140 Parklake Avenue, Suite 600
Raleigh, North Carolina 27612 USA
or

P.O. Box 37428
Raleigh, North Carolina 27627 USA
Tel: (919) 854-1400
Fax: (919) 854-1401

RECEIVED
CENTRAL FAX CENTER

DEC 10 2004

TELECOPIER TRANSMISSION
COVER SHEET

Date: December 10, 2004
File Number: 5649-1228
Telecopier No.: 703-872-9306
To: Mail Stop Amendment
Examiner: Lynne Ann Gurley
Group Art Unit: 2812
Company: United States Patent and Trademark Office
From: Elizabeth A. Stanek
Number of Pages: 12
(including cover)
Return fax to: Erin Campion

If there is a problem with this transmission, please call (919) 854-1400. Our fax number is (919) 854-1401.

Confidentiality Note

The information contained in this facsimile message is legally privileged and confidential information intended only for the use of the individual or entity named above. If the reader of this message is not the intended recipient, you are hereby prohibited. If you have received this telecopy in error, please immediately notify us by telephone and return the original message to us at the address above via the United States Postal Service. **THANK YOU.**

Attorney Docket No. 5649-1228

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Oh *et al.*

Confirmation No.: 4644

Application No.: 10/823,221

Group Art Unit: 2812

Filed: April 13, 2004

Examiner: Lynne Ann Gurley

For: **INTEGRATED CIRCUIT DEVICES HAVING PAD CONTACT PLUGS IN
THE CELL ARRAY AND PERIPHERAL CIRCUIT REGIONS OF THE
INTEGRATED CIRCUIT SUBSTRATE AND METHODS OF FORMING THE
SAME**

Date: December 10, 2004

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith is an AMENDMENT in the above-identified patent application.

☐ Applicant claims small entity status. See 37 CFR §1.27.☒ No additional fee is required.☒ The fee has been calculated as shown below:

(COL. 1)		(COL. 2)	(COL. 3)	SMALL ENTITY		OTHER THAN A SMALL ENTITY	
	Claims Remaining After Amendment	Highest Number Previously Paid For	Present Extra	RATE	ADDIT. FEE	OR RATE	ADDIT. FEE
Total	20	33	= 0	x 25=	\$	x 50=	\$.00
Indep	4	5	= 0	x100=	\$	x200=	\$.00
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM				+180=	\$	+360=	\$
				Total Add. Fee \$		OR Total	\$.00

* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space. The "Highest Number Previously Paid For" (Total or Independent) is the highest number found from the equivalent box in Col. 1 of a prior Amendment or the number of claims originally filed.

Attorney Docket No.: 5649-1228
Application No.: 10/823,221
Filed: April 13, 2004
Page 2

- ☐ Please charge my Deposit Account No. 50-0220 in the amount of \$ ____ for ____.
- ☐ A check in the amount \$ ____ to cover ____ is enclosed.
- ☒ The Commissioner is hereby authorized to charge the appropriate fees associated with this communication or credit any overpayment to Deposit Account No. 50-0220.

Respectfully submitted,



Elizabeth A. Stanek
Registration No. 48,568

USPTO Customer No. 20792
Myers Bigel Sibley & Sajovec
Post Office Box 37428
Raleigh, North Carolina 27627
Telephone: 919/854-1400
Facsimile: 919/854-1401

CERTIFICATION OF FACSIMILE TRANSMISSION UNDER 37 CFR § 1.8

I hereby certify that this correspondence is being transmitted by facsimile to the U.S. Patent and Trademark Office on December 10, 2004 via facsimile number 703-872-9306.


Erin A. Campion

DEC. 10. 2004 3:15PM

MBS&S 919 854-1401

RECEIVED
CENTRAL FAX CENTER

NO. 9025 P. 4/12

DEC 10 2004

Attorney Docket No. 5649-1228

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Oh *et al.*

Serial No.: 10/823,221

Filed: April 13, 2004

For: **INTEGRATED CIRCUITS DEVICES HAVING PAD CONTACT PLUGS IN
THE CELL ARRAY AND PERIPHERAL CIRCUIT REGIONS OF THE
INTEGRATED CIRCUIT SUBSTRATE AND METHODS OF FORMING THE
SAME**

Confirmation No.: 4644

Group Art Unit: 2812

Examiner: Lynne Ann Gurley

Date: December 10, 2004

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE TO
RESTRICTION REQUIREMENT**

Sir:

Applicants provide the present Amendment to address the issues raised in the Office Action mailed November 12, 2004.

If any extension of time for the accompanying Amendment and Response is required, Applicants request that this be considered a petition therefore. The Commissioner is hereby authorized to charge any additional fee, which may be required, or credit any refund, to Deposit Account No. 50-0220.

Amendments to the Title begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims, which begins on page 3 of this paper.

Remarks begin on page 9 of this paper.

In re: Oh *et al.*
Serial No.: 10/823,221
Filed: April 13, 2004
Page 2 of 9

Amendments to the Title:

Please replace the title with the following amended title:

**METHODS OF FORMING INTEGRATED CIRCUITS DEVICES HAVING
PAD CONTACT PLUGS IN THE CELL ARRAY AND PERIPHERAL
CIRCUIT REGIONS OF THE INTEGRATED CIRCUIT SUBSTRATE ~~AND~~
~~METHODS OF FORMING THE SAME~~**